

Claims

1. Method for continuous homogenising or emulsifying of liquids (**I as II**), where the liquid (**I as II**) in a ultrasound chamber (**1**) with lamellas (**2**) or guiding plates (**2**), especially placed in the outer edge or wall of the chamber (**1**), -but also fields up to this,- have been submitted a cinematic treatment as an example by stirring or mixing(**3**),- and where the liquids (**I and II**) in a continuous stream has been guided past the surface on more generators of ultrasound transducers (**4**), **characteristic of**, that a majority of ultrasound transducers (**4**) drive or work in a displaced succession (**5**), with a least one transducer (**4**) in change, and which in the same time is in rest.

2. Ultrasound apparatus for continuous homogenising according claim 1, **characteristic of**, to be able to increase the cavitation as the emulsifying of the liquid (**I as II**), by driving the system under conditions of working with or under extreme pressure of working ideal as an example 16 bar, and with delaying times on ideal about 20-25 seconds, and where one or you in the same time on each single transducer (**4**) use pulsing ultrasound signals (**7**) with essential higher maximum impulses (**10**), which are higher (**10**) than the actually transducer (**4**) would allow under a continuous drift .

3. Ultrasound apparatus for continuous homogenising according to claim 1 as 2, **characteristic of**, that one drive the pulsing ultrasound signals (**7**) as resting/driving functional -"rif" (**5**), and with one in the same time frequency (**10'**) on between 15-120 kHz, or ideal normally on between 20-50 kHz.

4. Ultrasound apparatus for continuous homogenising according claim 1 , **characteristic of**, that the lamellas (**2**) in the mixing chamber (**1**) under drift can be given a rotation movement or stirring (**9**).

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5.         Ultrasound apparatus for continuous homogenising according to  
claim 1, **c h a r a c t e r i s t i c o f**, to have one as several rings of lamellas  
(9') in the mixing chamber (1) , which can rotated (9) around itself or  
5 themselves, alternative to have one as more rings of lamellas (9'), where  
every single lamella (2) can rotate around itself, and as alternative an  
embodiment, where one can combine both rotation systems together.

10 6.         Ultrasound apparatus for continuous homogenising according to  
claim 1, **c h a r a c t e r i s t i c o f**, that every lamella (2) or single of them, in  
the mixing chamber (1), in itself can be made twisted or made in a shape of  
spiral or in a like embodiment or shape.

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